

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 0    | ("20020085504" "20020168994" "20030108274" "20040022230" "6101179").PN.).PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2007/03/05 09:41 |
| S2    | 10   | ("20020085504" "20020168994" "20030108274" "20040022230" "6101179").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2007/02/27 13:29 |
| S3    | 0    | S2 and beacon  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2007/02/27 08:34 |
| S4    | 5    | S2 and (slot or timeslot)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2007/02/27 08:37 |
| S5    | 27   | (first near2 (timeslot or slot)) same (second near2 (timeslot or slot)) same (path adj1 loss)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2007/02/27 12:42 |
| S6    | 4    | S4 and (power near2 (transmit\$4 or transmission))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2007/02/27 08:40 |
| S7    | 26   | S5 and (power near2 (transmit\$4 or transmission))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2007/02/27 08:45 |
| S8    | 34   | ((((timeslot or slot) near4 (path near2 loss)) same channel) and ((path near2 loss) same (power near3 (transmit\$5 or transmission)))) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/02/27 12:47 |
| S9    | 34   | S8 and (slot or time slot)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/02/27 12:47 |
| S10   | 34   | S8 and (slot or timeslot)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/02/27 12:55 |
| S11   | 34   | S10 and (path near2 loss)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/02/27 13:08 |

## EAST Search History

|     |    |  |   |    |     |                  |
|-----|----|--|---|----|-----|------------------|
| S12 | 6  | S11 and ((path near2 loss) same beacon)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/02/27 13:35 |
| S13 | 98 | ((path near2 loss) same beacon)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/02/27 13:13 |
| S14 | 36 | ((path near2 loss) same beacon) and (slot or timeslot)                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/02/27 13:13 |
| S15 | 36 | ((path near2 loss) same beacon) and (slot or timeslot or (time adj1 slot)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/02/27 13:14 |
| S16 | 30 | S15 not S11  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/02/27 13:15 |
| S17 | 30 | S16 and (path adj1 loss)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/02/27 13:15 |
| S18 | 10 | (Shin.in. or Rudolf.in. or Dick.in.) and (beacon same (path adj1 loss))    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/09/04 07:31 |
| S19 | 0  | 375/219.ccls. and ((path near2 loss) same beacon)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/02/27 13:35 |
| S20 | 4  | 375/219.ccls. and ((path near2 loss) same (slot or timeslot))              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/02/27 13:36 |
| S21 | 4  | 370/280.ccls. and ((path near2 loss) same (slot or timeslot))              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/02/27 13:36 |
| S22 | 6  | "5491837".pn. or "20020168994".pn. or "6308080".pn.                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/03/01 22:21 |
| S23 | 3  | S22 and (path adj1 loss) and slot  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/03/01 22:28 |

## EAST Search History

|     |    |   |   |    |     |                  |
|-----|----|---|---|----|-----|------------------|
| S24 | 2  | S22 and (path adj1 loss) and slot and beacon          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/03/01 22:29 |
| S25 | 2  | "20050003846".pn.                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/03/01 22:29 |
| S26 | 1  | S25 and (path adj1 loss) and slot and beacon          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/03/01 22:36 |
| S27 | 48 | (path adj1 loss) same (code near2 power)              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/01 22:37 |
| S28 | 28 | S27 and (slot or timeslot)                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/01 22:45 |
| S29 | 35 | S27 and (code adj1 power)                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/01 22:46 |
| S30 | 23 | S28 and (code adj1 power)                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/01 22:46 |
| S31 | 28 | S28 and (code near2 power)                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/01 22:58 |
| S32 | 28 | S31 and (path adj1 loss)                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/01 23:09 |
| S33 | 12 | (path adj1 loss) same (slot or timeslot) same beacon  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/01 23:11 |
| S34 | 33 | ((path adj1 loss) same (slot or timeslot)) and beacon | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/01 23:17 |
| S35 | 33 | S34 and (path adj1 loss)                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/01 23:18 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S36 | 45  | (path adj1 loss) same ((code adj1 power) or "RSCP")                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/03/01 23:33 |
| S37 | 4   | S36 and (power near2 offset)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/03/01 23:34 |
| S38 | 282 | (path adj1 loss) same (slot or timeslot)                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/02 00:00 |
| S39 | 33  | S38 and beacon   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/01 23:59 |
| S40 | 59  | (path adj1 loss) same (slot or timeslot) same (quality near4 (path adj1 loss)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/02 00:04 |
| S41 | 91  | (path adj1 loss) same (beacon)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/02 00:04 |
| S42 | 36  | S41 and (slot or timeslots)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/02 00:04 |
| S43 | 36  | S41 and (slot or timeslot)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/02 00:04 |
| S44 | 21  | S43 not S39  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/02 00:05 |
| S45 | 21  | S44 and (path adj1 loss)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/02 00:05 |
| S46 | 1   | "20020077141".pn. and (power adj1 offset)                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/03/05 12:22 |
| S47 | 1   | "20020077141".pn. and (power adj1 offset) and (path adj1 loss)                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/03/05 12:55 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S48 | 1   | "20020077141".pn. and (code near2 power)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/05 09:56 |
| S49 | 0   | "20020077141".pn. and (RSCP)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/05 09:57 |
| S50 | 29  | ("RSCP" or (code near2 power)) and (power near2 offset) and (path adj1 loss)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/05 10:13 |
| S51 | 282 | (path adj1 loss) same (slot or timeslot)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/05 10:58 |
| S52 | 33  | S51 and beacon  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/05 10:16 |
| S53 | 33  | S51 and beacon and (slot or timeslot)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/05 10:18 |
| S54 | 33  | S51 and beacon and (slot or timeslot) and (path adj1 loss)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/05 10:31 |
| S55 | 4   | ("20020110101" "6975604").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/05 10:26 |
| S56 | 33  | S51 and beacon and (slot or timeslot) and (path adj1 loss) and power                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/05 10:32 |
| S57 | 2   | S51 and ((path adj1 loss) same (first adj1 (timeslot or slot)) same (second adj1 (slot or timeslot))) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/05 11:00 |
| S58 | 83  | S51 and ((path adj1 loss) same (measur\$4 with (slot or timeslot)))                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/05 11:01 |
| S59 | 83  | S58 and (path adj1 loss)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/05 11:19 |

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|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S60 | 1   | "20020077141".pn. and (path adj1 loss)                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2007/03/05 11:04 |
| S61 | 3   | ("6603797").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2007/03/05 11:19 |
| S62 | 1   | "6449462".PN.  | USPAT;<br>USOCR                                       | OR | OFF | 2007/03/05 11:20 |
| S63 | 1   | "6308080".pn. and (path adj1 loss)                     | USPAT;<br>USOCR                                       | OR | ON  | 2007/03/05 11:25 |
| S64 | 11  | "RSCP" and (path adj1 loss)                            | USPAT;<br>USOCR                                       | OR | ON  | 2007/03/05 11:26 |
| S65 | 6   | "RSCP" same (path adj1 loss)                           | USPAT;<br>USOCR                                       | OR | ON  | 2007/03/05 11:26 |
| S66 | 8   | ("RSCP" or (code adj1 power))<br>same (path adj1 loss) | USPAT;<br>USOCR                                       | OR | ON  | 2007/03/05 11:35 |
| S67 | 36  | (path adj1 loss) same beacon                           | USPAT;<br>USOCR                                       | OR | ON  | 2007/03/05 11:43 |
| S68 | 12  | S67 and (slot or timeslot)                             | USPAT;<br>USOCR                                       | OR | ON  | 2007/03/05 11:48 |
| S69 | 166 | (path adj1 loss) and beacon                            | USPAT;<br>USOCR                                       | OR | ON  | 2007/03/05 11:43 |
| S70 | 49  | S69 and (slot or timeslot)                             | USPAT;<br>USOCR                                       | OR | ON  | 2007/03/05 11:47 |
| S71 | 97  | (path adj1 loss) same (measur\$4<br>with channel)      | USPAT;<br>USOCR                                       | OR | ON  | 2007/03/05 11:49 |
| S72 | 58  | S71 and (slot or timeslot)                             | USPAT;<br>USOCR                                       | OR | ON  | 2007/03/05 11:49 |
| S73 | 58  | S71 and (slot or timeslot)                             | USPAT;<br>USOCR                                       | OR | ON  | 2007/03/05 11:49 |
| S74 | 58  | S71 and (slot or timeslot)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/05 11:50 |
| S75 | 227 | (path adj1 loss) same (measur\$4<br>with channel)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/05 11:49 |
| S76 | 126 | S75 and (slot or timeslot)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/05 11:53 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S77 | 126 | S75 and (slot or timeslot) and (path adj2 loss)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/05 12:02 |
| S78 | 29  | (beacon same (pilot or control) same (path adj2 loss))                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/09/04 07:27 |
| S79 | 1   | "20020077141".pn. and (slot or timeslot)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2007/03/05 12:22 |
| S80 | 2   | "20040170132"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2007/03/05 14:05 |
| S81 | 5   | (path adj1 loss) same (averag\$4 near3 (timeslot or slot))                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2007/03/05 12:58 |
| S82 | 4   | S81 and channel   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2007/03/05 12:59 |
| S83 | 1   | "20050003846".pn. and (slot or timeslot)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2007/03/05 13:44 |
| S84 | 100 | ((measur\$4 or determin\$4) near4 (power or strength) near4 channels) same (path adj1 loss) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2007/03/05 14:13 |
| S85 | 1   | (path adj1 loss) same (measur\$4 with ((plurality or multiple) adj1 channels))              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2007/03/05 14:10 |
| S86 | 1   | (path adj1 loss) same (calculat\$5 with ((plurality or multiple).adj1 channels))            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2007/09/04 04:36 |
| S87 | 24  | (path adj1 loss) with ((multiple or plurality) adj3 channels)                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2007/03/05 14:15 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S88 | 24  | S87 and (path adj1 loss)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON | 2007/03/05 14:15 |
| S89 | 26  | (loss near3 (path or channel or medium)) same ((beacon or pilot) near3 power) same (total near3 power)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON | 2007/09/04 04:38 |
| S90 | 26  | (loss near3 (path or channel or medium)) and S89  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON | 2007/09/04 05:10 |
| S91 | 4   | (loss near3 (path or channel or medium)) same (pilot or beacon) same (power near3 offset)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON | 2007/09/04 05:09 |
| S92 | 26  | (loss near3 (path or channel or medium)) and S90  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON | 2007/09/04 07:03 |
| S93 | 4   | S91 and (loss near3 (path or channel or medium))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON | 2007/09/04 06:58 |
| S94 | 188 | (loss near3 (path or channel or medium)) same (((transmit\$4 or transmission) near2 power) with (difference or subtract\$4 or offset) with (channel or path or medium))                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON | 2007/09/04 07:29 |
| S95 | 68  | S94 and (beacon or pilot)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON | 2007/12/25 09:48 |
| S96 | 1   | (beacon and (power adj1 offset) and (path adj1 loss)).clm.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/09/04 07:28 |
| S97 | 0   | 375/219.ccls. and (loss near3 (path or channel or medium)) same (((transmit\$4 or transmission) near2 power) with (difference or subtract\$4 or offset) with (channel or path or medium)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON | 2007/12/25 10:27 |
| S98 | 1   | (Shin.in. or Rudolf.in. or Dick.in.) and (beacon same (path adj1 loss) same (offset near3 power))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON | 2007/09/04 07:32 |



## EAST Search History

|          |     |  |   |    |    |                  |
|----------|-----|--|---|----|----|------------------|
| S99      | 16  | ("20020085504" "20020168994" "20030109274" "20040022230" "20050003846" "6101179" "6411662" "7151740").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/12/25 09:27 |
| S10<br>0 | 197 | (loss near3 (path or channel or medium)) same (((transmit\$4 or transmission) near2 power) with (difference or subtract\$4 or offset) with (channel or path or medium))                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/12/25 09:48 |
| S10<br>1 | 186 | (loss near3 (path or channel or medium)) same (((transmit\$4 or transmission) near2 power) with (difference or subtract\$4 or offset) with ((beacon or pilot or control) near2 channel or path or medium)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/12/25 09:49 |
| S10<br>2 | 0   | 375/219.ccls. and (loss near3 (path or channel or medium)) same (((transmit\$4 or transmission) near2 power) with (difference or subtract\$4 or offset) with (channel or path or medium))                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/12/25 10:29 |
| S10<br>3 | 1   | 370/280.ccls. and (loss near3 (path or channel or medium)) same (((transmit\$4 or transmission) near2 power) with (difference or subtract\$4 or offset) with (channel or path or medium))                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/12/25 10:31 |